Appl. No. 10/049,415
Response dated: September 16, 2005
Reply to Office action of June 16, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1. (Currently Amended) A signal processing unit comprising:

at least two~~one~~ inputs; and

at least two~~one~~ early pattern generators for defining a predefined early pattern generation, each of said at least two~~one~~ early pattern generators being connected to at least one of said at least two~~one~~ inputs, each of said at least two~~one~~ early pattern generators establishing an output having N directional components, each of said N directional components of said outputs being added to form at least one signal having N directional components.

2. (Currently Amended) The signal processing unit according to claim 1, further comprising a direction rendering unit with an input for at least one of said at least signals having N directional components, said direction rendering unit establishing P channel output signals on an output of the direction rendering unit corresponding to input signals having N directional components.

3. (Currently Amended) The signal processing unit according to claim 2, wherein said P channel output signals are established in such a way that said P channel output signals correspond to a P-channel trans- or bin-aural representation of said at least one~~input~~ signals having N directional components.

4. (Currently Amended) The signal processing unit according to claim 2, wherein said P channel output signals are established in such a way that said P channel output signals correspond to an experience-based P-channel representation of said at least one~~input~~ signals having N directional components.

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5. (Currently Amended) The signal processing unit according to claim 2~~1~~, further comprising:

a circuit having S inputs and P outputs, <u>S being at least two and</u> said S inputs <u>being connected to said at least two inputs</u>~~being individual input channels for S input sources~~, said P outputs comprising a P-channel late reverberation signal; and

a summing unit for adding said late reverberation signal to said established P-channel output signals of said direction rendering unit.

6. (Previously Presented) A direction rendering unit comprising an input for N directional signals, said direction rendering unit establishing a P channel output signal on an output of the direction rendering unit corresponding to input signals having N directional components.

7. (Previously Presented) The direction rendering unit according to claim 6, wherein said P channel output signals are established in such a way that said P channel output signals correspond to a P-channel trans-aural representation of said input signals having N directional components.

8. (Previously Presented) The direction rendering unit according to claim 6, wherein said P channel output signals are established in such a way that said P channel output signals correspond to an experience-based P-channel representation of said input signals having N directional components.

9. (Previously Presented) An early pattern generation mixer comprising:

M inputs each of which receives early pattern signals comprising N directional components; and

at least one output for transmitting an N-directional early pattern signal, said N-directional early pattern signal being established by adding said M inputs.

10. (Currently Amended) A signal processing unit comprising:

at least two~~one~~ input~~s~~; and

at least two~~one~~ space processor~~s~~ for defining at least a generation of an early pattern, each of said at least two~~one~~ space processor~~s~~ being connected to at least one of said at least two~~one~~ input~~s~~, each of said at least two~~one~~ space processor~~s~~ establishing an output having N directional components, each of said N directional components of said outputs being added to form at least one signal having N directional components.

11. – 13. (Canceled)

14. (Currently Amended) A signal processing unit comprising:

at least two~~one~~ input~~s~~; and

at least two~~one~~ reverberation unit~~s~~ for defining a predefined reverberation generation, each of said at least two~~one~~ reverberation unit~~s~~ being connected to at least one of said at least two~~one~~ input~~s~~, each of said at least two~~one~~ reverberation unit~~s~~ establishing an output having N directional components, each of said N directional components of said outputs being added to form at least one signal having N directional components.

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